# Product Information Sheet

## EPO-TEK® B13181

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|---|---|
| **Date:** | December 2023 |
| **Rev:** | I |
| **No. of Components:** | Single |
| **Mix Ratio by Weight:** | N/A |
| **Specific Gravity:** | 1.46 |
| **Pot Life:** | 28 Days |
| **Shelf Life- Bulk:** | One year @ -40°C |

**Recommended Cure: B-stage cure: 80°C/30 Minutes**
**Cure: 150°C/1 Hour**

**NOTES:**

- Container(s) should be kept closed when not in use.
- Filled systems should be stirred thoroughly before mixing and prior to use.
- Performance properties (rheology, conductivity, others) of the product may vary from those stated on the data sheet when bi-pak/syringe packaging or post-processing of any kind is performed. Epoxy's warranties shall not apply to any products that have been reprocessed or repackaged from Epoxy's delivered status/container into any other containers of any kind, including but not limited to syringes, bi-paks, cartridges, pouches, tubes, capsules, films or other packages.

**Product Description:** A single component, thermally conductive, low-halogen, B-Stage Epoxy Paste

**Typical Properties:** Cure condition: B-stage cure: 80°C/30 Minutes - Cure: 150°C/1 Hour Data below is not guaranteed.
Different batches, conditions & applications yield differing results. To be used as a guide only, not as a specification.
* denotes test on lot acceptance basis

| PHYSICAL PROPERTIES: | | | |
|---|---|---|---|
| Color (before cure): | Tan | | |
| Consistency: | Smooth, slightly thixotropic paste | | |
| Viscosity (23°C) @ 1 rpm: | 40,960 | cPs | |
| Thixotropic Index: | 1.5 | | |
| Glass Transition Temp: | 123 | °C | |
| Die Shear @ 23°C: | 28 | Kg | (ceramic die on glass) |
| Die Shear @ 23°C: | 25 | Kg | (ceramic die on Kovar) |
| Degradation Temp: | 391 | °C | |
| Weight Loss: | | | |
| @ 200°C: | 0.82 | % | |
| @ 250°C: | 1.75 | % | |
| @ 300°C: | 3.45 | % | |
| Suggested Operating Temperature: | < 250 | °C (Intermittent) | |
| Particle Size: | ≤ 20 | microns | |

| ELECTRICAL AND THERMAL PROPERTIES: | | |
|---|---|---|
| Thermal Conductivity: | TBD | W/mK |



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